

AMENDMENTS TO THE CLAIMS

1. (Currently amended) A method for detection of server-like devices within a network, said detection method comprising the steps of

determining a respective ingress to egress network traffic ratio for at least some of the devices;

and selecting the server-like devices on the basis of each determined ratio or a figure derived from each determined ratio,

wherein selecting the server-like devices includes selecting those devices having a value of said determined ratio above a selected value,

said selected value providing a cut-off point beyond which all device are considered as exhibiting server-like behavior.

2. (Previously presented) A method as claimed in claim 1 in which each server-like device is connected to a port of another device and the ingress to egress network traffic ratio is determined by determining network traffic through said port.

3. (Original) A method as claimed in claim 2 in which said network traffic through said port is determined using SNMP.

4. (Cancelled)

5. (Currently amended) A method as claimed in claim 1 [[4]] including the step of ranking the devices in order of their determined ratios.

6. (Original) A method as claimed in claim 5 in which the selection of the server-like devices includes determining discontinuities in the values of the determined ratios of the ranked devices.

7. (Previously presented) A method as claimed in claim 5 including the step of nominally plotting the determined ratios of the devices against the ranked devices and deriving a second derivative of a resulting ordered ratio graph, and using the second derivative to select the server-like devices.

8. (Previously presented) A method as claimed in claim 6 including the step of nominally plotting the determined ratios of the devices against the ranked devices and deriving a third derivative of a resulting ordered ratio graph, and using second and third derivatives to select the server-like devices.

9. (Original) A method as claimed in claim 8 including the step of using the second and third derivatives to divide the devices into groups and selecting one or more of the groups of devices as server-like devices.

10. (Previously presented) A method as claimed in claim 9 in which devices are divided into groups by determining boundaries of the groups as points where the second derivative is zero and the third derivative is less than zero.

11. (Cancelled)

12. (Previously presented) A computer program on a computer readable medium loadable into a digital computer, said computer program comprising software for performing the steps of claim 1.

13. (Cancelled)

14. (Currently amended) Network apparatus for detection of server-like devices within a network, said apparatus comprising means for determining a respective ingress to egress network traffic ratio for at least some of the devices, and means for selecting the server-like devices on the basis of each determined ratio or a figure derived from each determined ratio, said selecting means including means for selecting those devices having a value of said determined ratio above a selected value, said selected value providing a cut-off point beyond which all devices are considered as exhibiting server-like behavior.

15. (Previously presented) Apparatus as claimed in claim 14 in which each server-like device is connected to a port of another device and the ingress to egress network traffic ratio is determined by determining network traffic through said port.

16. (Original) Apparatus as claimed in claim 15 in which said network traffic through said port is determined using SNMP.

17. (Cancelled)

18. (Currently amended) Apparatus as claimed in claim 14 [[17]] including means for ranking the devices in order of their determined ratios.

19. (Original) Apparatus as claimed in claim 18 including means for determining discontinuities in the values of the determined ratios of the ranked devices.

20. (Previously presented) Apparatus as claimed in claim 18 including means for nominally plotting the determined ratios of the devices against the ranked devices and deriving a second derivative of a resulting ordered ratio graph, and means for using the second derivative to select the server-like devices.

21. (Previously presented) Apparatus as claimed in claim 19 including means for nominally plotting the determined ratios of the devices against the ranked

devices and deriving a third derivative of a resulting ordered ratio graph, and means for using second and third derivatives to select the server-like devices.

22. (Previously presented) Apparatus as claimed in claim 21 including means for using second and third derivatives to divide the devices into groups and selecting one or more of the groups of devices as server-like devices.

23. (Previously presented) Apparatus as claimed in claim 22 including means for dividing the devices into groups by determining boundaries of the groups as points where the second derivative is zero and the third derivative is less than zero.

24. (Cancelled)